

Work Order ID 141932

141932

Page 1

Monday, February 22, 2016 2:37:19 PM

Item ID: D350-607-511 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Quick Release Basket and Long Cargo Tube Mounting Provisions, Fits LH or RH
Start Date: 2/22/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 2/26/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference: found to be updated to chg006
Approvals: Process Plan: *[Signature]* Date: 16-2-22 Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D350-607-4	C								
DSI9699	A								

100 Document Control 0.00
100
DC DOCUMENT CONTROL
Memo 0.00
Doc.Control -USB or Paperwork Photocopy bluefile & type labels per PPP D350-607-511 CHG006

NEW PAPERWORK 16-2-22

140 Pick Kit 0.00
140
Packaging
Packaging
Memo 0.00
PULL FROM QUARANTINE
D350-607-511 X1
(110667)

INSPECT KIT TO CHG006
ADD MISSING PARTS
AND DSI 9699
AS PER ECN14-572

X7 AN4-14A m133769
X2 MS210424 m133769
X4 NAS1149F0432P m133938
X1 D3910-7 D1380SS

Return to stock

D3910-5 ^{st 524} B110S49 X1
AN310C4 ^{st 331} m126192 X1

st 344
X6 AN4-13A m126193
X1 AN4CIS st 343 m126192

DAS 28
DAS 28
FEB 23 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
		OTHER : ☐					

Work Order ID 141932

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141932

Page 2

Item ID: D350-607-511 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Quick Release Basket and Long Cargo Tube Mounting Provisions, Fits LH or RH
Start Date: 2/22/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 2/26/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference: found to be updated to chg006

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	QC4- 100% Inspect kits for completeness	0.00							
150									
QC	Memo	0.00							
Quality Control									
160	Packaging	0.00							
160									
Packaging	Memo	0.00							
Packaging	REPACKAGE UNDER NEW BATCH NUMBER								
170	QC21- Final Inspection - Work Order Release	0.00							
170									
QC	Memo	0.00							
Quality Control									

FEB 23 2016

FEB 23 2016

FEB 23 2016

FEB 23 2016

PKOISA

MCS

MCS

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					

Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐			FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
			OTHER : ☐					

Picklist Print

Monday, February 22, 2016 2:37:23 PM

Page 1

Work Order ID: 141932

141932

Parent Item: D350-607-511

D350-607-511

Parent Item Name: Quick Release Basket and Long Cargo Tube Mounting Provisions, Fits LH or RH

Start Date: 2/22/2016

Required Date: 2/26/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 10-06-28 JLM VERIFIED BY: LL IPP
REV:B 13.12.30 PER RE.C ECN13-672 DD VERF:RQ IPP REV:C
14.06.09 AS PER ECN14-572 DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D350-607-511

Manufactured No

Each

0.0000

1

D350-607-511

Quick Release Basket and Long Cargo Tube Mounting Provisions, Fits LH or RH

27 **
9-09

B110667

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

DART SERVICE INSTRUCTION

**TO AMEND INSTALLATION INSTRUCTIONS D350-607-3 Rev.D,
INSTALLATION INSTRUCTIONS D350-607-4 Rev. C AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-607 REV. 6**
REF TCCA STC: SH94-14
REF FAA STC: SR00213NY
REF EASA STC: EASA.10016996
REF BRAZILIAN STC: 2007S03-03/-04/-05/-06

1.0 PURPOSE

This service instruction provides parts and instructions to facilitate installation of forward Basket Strut for customers that have purchased: D350-607-501 Conversion Kit @ CHG 004, D350-607-511 Quick Release Basket Mounting Kit @ CHG 004, D350-607-541 @ CHG 006, D350-607-543 @ CHG 007, D350-607-545 @ CHG 006, D350-607-547 @ CHG 007 Heli-Utility-Baskets as well as the D350-607-431 Strut Retrofit Kit and the D350-607-641 Long Cargo Tube @ CHG 001.

2.0 PARTS LIST:

Modify the quantities for D3910-5 and add D3910-7 as follows:

QTY -541	QTY -543	QTY -545	QTY -547	QTY -511	QTY -501	PART NUMBER	DESCRIPTION
X						D350-607-541	HELI-UTILITY-BASKET @ CHG 007 OR LATER
	X					D350-607-543	HELI-UTILITY-BASKET @ CHG 008 OR LATER
		X				D350-607-545	HELI-UTILITY-BASKET @ CHG 007 OR LATER
			X			D350-607-547	HELI-UTILITY-BASKET @ CHG 005 OR LATER
1	1	1	1	X		D350-607-511	QUICK RELEASE BASKET MOUNTING KIT @ CHG 005 OR LATER
					X	D350-607-501	CONVERSION KIT @ CHG 005 OR LATER
				1	1	D3910-5	X-TUBE LUG
				1	1	D3910-7	X-TUBE LUG

(ADD)

QTY -413	QTY -415	QTY -417	QTY -419	QTY -431	PART NUMBER	DESCRIPTION
X					D350-607-413	HEAVY DUTY LID KIT (LONG)
	X				D350-607-415	HEAVY DUTY LID KIT (SHORT)
		X			D350-607-417	LIGHTWEIGHT LID KIT (LONG)
			X		D350-607-419	LIGHTWEIGHT LID KIT (SHORT)
				X	D350-607-431	STRUT RETROFIT KIT @ CHG 005 OR LATER
				1	D3910-5	X-TUBE LUG
				1	D3910-7	X-TUBE LUG

(ADD)

QTY -641	QTY -611	QTY -511	QTY -431	PART NUMBER	DESCRIPTION
X				D350-607-641	QUICK RELEASE LONG CARGO TUBE
1	X			D350-607-611	LONG CARGO TUBE
1		X		D350-607-511	QUICK RELEASE BASKET MOUNTING KIT @ CHG 005 OR LATER
			X	D350-607-431	STRUT RETROFIT KIT @ CHG 005 OR LATER
		1	1	D3910-5	X-TUBE LUG
		1	1	D3910-7	X-TUBE LUG

(ADD)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 14.05.16
CERT. NO.: SH94-14
ISSUE NO.: 6

A	NEW ISSUE	AJS	14.05.16
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9699	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		LUG REPLACEMENT	NTS
DATE	14.05.16	COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

3.0 PROCEDURE:

Install the D350-607-501 Conversion Kit, D350-607-511 Quick Release Mounting Kit or D350-607-431 Strut retrofit kit per Installation Instructions D350-607-3 Rev. D or D350-607-4 Rev. C. While installing the Forward Strut perform the following:

- 3.1 Substitute the Forward Lower D3910-5 X-Tube Lug with the D3910-7 X-Tube Lug as shown in Figure 1.
- 3.2 Install the forward D4775-041 Strut Assembly. Transfer mark from the upper hole on the clevis of the D4775-041 Strut Assembly to the D3910-7 X-tube Lug and drill thru the lug $\varnothing 0.257$ - $\varnothing 0.261$ as shown in Figure 1. Touch up chemical conversion coating per MIL-DTL-5541. Check the witness holes located at the bottom end of the D4775-041 Strut Assemblies to ensure that the thread from the rod end extends past the witness hole.
Torque MS21042L4/-4 nuts to 50-70 in-lbs (5.7-7.9 N-m). Torque MS21042L6/-6 nuts to 160-190 in-lbs (18.1-21.5 N-m).
- 3.3 Complete the installation in accordance with Installation Instructions D350-607-3 Rev. D or D350-607-4 Rev. C.

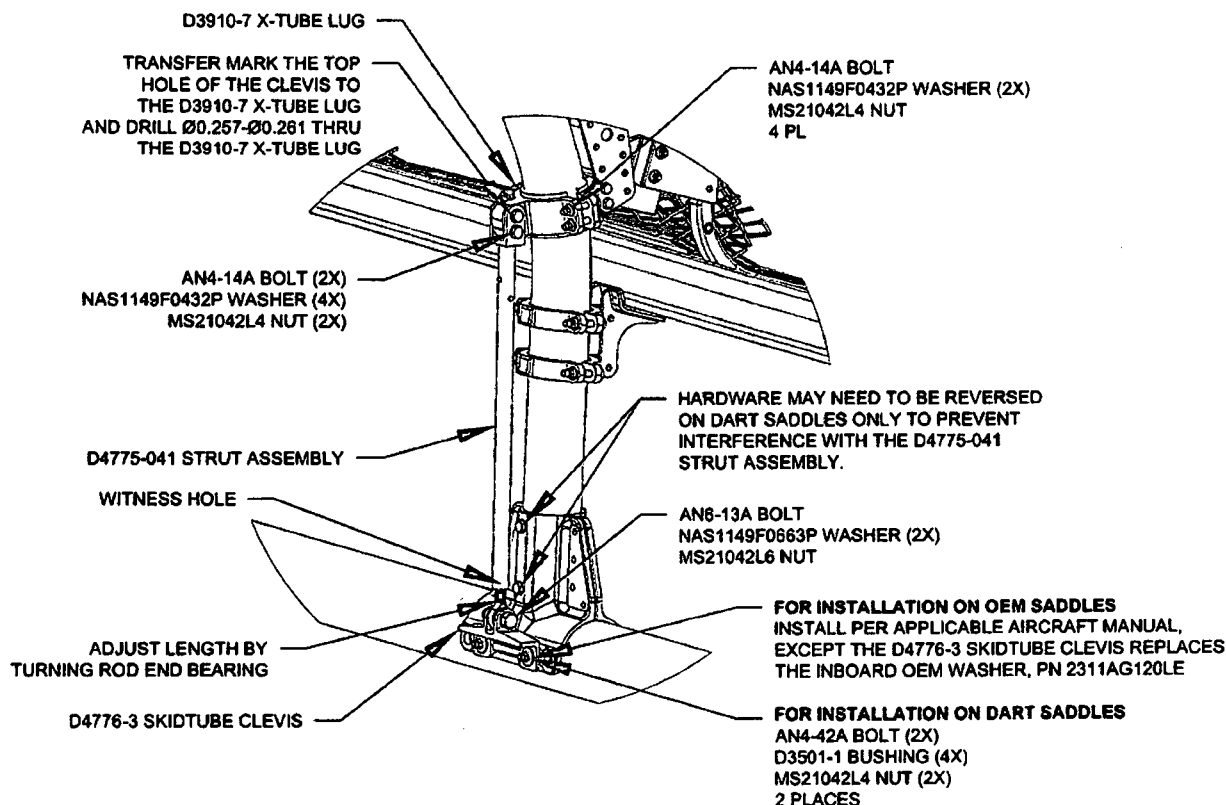


FIGURE 1: INSTALLATION OF D4775-041 FWD STRUT

4.0 WEIGHT AND BALANCE:

There is no weight and balance change associated with this update.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY:

D. SHEPHERD (DE # 02)

DATE: 14.05.16
CERT. NO.: SH94-14
ISSUE NO.: 6

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9699	SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	LUG REPLACEMENT	NTS
DATE	14.05.16	COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

Work Order ID 110667

110667

Page 1

January-07-14 3:00:03 PM

Item ID: D350-607-511

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Quick Release Basket Mounting Spacepod™ & Squirrel Cheek Fits LH or RH

Stop

NS2

Start Date: 1/07/14

Start Qty: 2.00

2

Cust Item ID:

Required Date: 1/07/14

Req'd Qty: 2.00

2

Customer:

Reference:

Approvals:

Process Plan:

MCS

Date: 14-01-10

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

NR1

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D350-607-3

C

100

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPP D350-607-511 CHG004

DAS
31
9-89

14-02-18

(2)

MCS 14-02-11

to 005 → ECU 14-572
to 006 → PICK KIT → ECU 14-575

0.00

now at chg 006

140

140

Packaging

Memo

0.00

Packaging

DAS
32
9-89

14/2/11

(2)

D

add D39127

150

QC4- 100% Inspect kits for completeness

150

QC

Memo

0.00

Quality Control

DST 9699

DAS
31
9-89

14-02-18

(2)

Work Order ID 110667

110667

Page 2

January-07-14 3:00:03 PM

Item ID: D350-607-511 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Quick Release Basket Mounting Spacepod™ & Squirrel Cheek Fits LH or RH
 Start Date: 1/07/14 Start Qty: 2.00 *2* Cust Item ID:
 Required Date: 1/07/14 Req'd Qty: 2.00 *2* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	Packaging	0.00							
160									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D350-607-511								
	Location: <u>PK 15</u>								DAS 6 9-89
170	QC21- Final Inspection - Work Order Release	0.00							
170									
QC	Memo	0.00							
Quality Control									

2 14-2-29
 14-02-18
 14-02-19

Picklist Print

January-07-14 3:00:02 PM

Page 1

Work Order ID: 110667

Parent Item: D350-607-511

Start Date: 1/07/14

Required Date: 1/07/14

Parent Item Name: Quick Release Basket Mounting Spacepod™ & Squirrel Check Fits LH or RH

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A NEW ISSUE 10-06-28 JLM VERIFIED BY: LL RE.C ECN13-672 DD VERF:RQ IPP REV:B 13.12.30 PER

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3501-1 Bushing		Manufactured	No			140	Each	473.0000	8	105577	32	DAS 32 9-89	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST043		156							
				86913		156							
				ST051		2							
				103038		2							
				ST052		315							
				104369		78							
				105395		87							
				105576		42							
				95165		108							
D3910-3 X-Tube Lug		Manufactured	No			140	Each	18.0000	2	95165	4	110324	DAS 32 9-89
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST464		18							
				105941		12							
				106273		6							
D3910-5 Crosstube Lug		Manufactured	No			140	Each	6.0000	2	110549	4	DAS 32 9-89	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST464		6							
				105927		6							
D3984 Rubber Extrusion, X-Tube, Per Foot		Manufactured	No			140	f	98.0000	2	107420	4	DAS 32 9-89	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST411		98							
				107420		98							

DAS
31
9-89

DAS
31
9-89

DAS
31
9-89

DAS
31
9-89

8434

107420

14/2/11 ①

Picklist Print

January-07-14 3:00:02 PM

Page 2

Work Order ID: 110667

Parent Item: D350-607-511

Parent Item Name: Quick Release Basket Mounting Spacepod™ & Squirrel Cheek Fits LH or RH

Start Date: 1/07/14

Required Date: 1/07/14

Start Qty: 2.00

Required Qty: 2.00

D4148-041
Fwd X-Tube Lug Ass'y

Manufactured No

140 Each 10.0000

1

2

DAS
32
9-89

DAS
31
9-89

Location

Loc Qty

Loc Code

ST460

10

~~106853~~

2

~~109547~~

4

110281

4

106853 (14)
109547 (14)

D4149-041
Aft X-Tube Lug Ass'y

Manufactured No

140 Each 10.0000

1

2

DAS
32
9-89

DAS
31
9-89

Location

Loc Qty

Loc Code

ST460

10

~~106862~~

1

108483

4

109557

5

3111558 (14)
~~8116262 (14)~~
108483

D4775-041
Strut Assembly

Manufactured No

140 Each 0.0000

2

4

DAS
32
9-89

DAS
31
9-89

D4776-041
Skidtube Clevis

Manufactured No

140 Each 0.0000

2

4

DAS
32
9-89

AN4-14A
Bolt

Purchased No

140 Each 444.0000

20

40

DAS
32
9-89

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

5

122141

5

ST515

439

~~M127044~~

189

M127815

250

M127044

AN4-42A
Bolt

Purchased No

140 Each 39.0000

4

8

DAS
32
9-89

DAS
31
9-89

Location

Loc Qty

Loc Code

ST359

39

~~M125978~~

39

M125978
14/2/11 (2)

January-07-14 3:00:02 PM

Shop Packet Print

Page 2

Picklist Print

January-07-14 3:00:03 PM

Page 3

Work Order ID: 110667

Parent Item: D350-607-511

Parent Item Name: Quick Release Basket Mounting Spacepod™ & Squirrel Cheek Fits LH or RH

Start Date: 1/07/14

Required Date: 1/07/14

Start Qty: 2.00

Required Qty: 2.00

ANG-13A
BOLT

DAS
31
9-89

Purchased

No

140

Each

19.0000

2

4

DAS
32
9-89

Location

Loc Qty

Loc Code

Mezz

19

18106

19

Purchased

No

140

Each

5,455.0000

24

48

DAS
32
9-89

MS21042L4
Locknut

DAS
31
9-89

Location

Loc Qty

Loc Code

GA

80

m126333

80

ST509

4000

m127255

2000

m127813

2000

ST518

1375

m127376

1375

Purchased

No

140

Each

254.0000

2

4

DAS
32
9-89

MS21042L6
Nut

DAS
31
9-89

Location

Loc Qty

Loc Code

ST314

254

m127304

154

m127831

100

Purchased

No

140

Each

1,506.0000

40

80

DAS
32
9-89

NAS1149F0432P
WASHER

DAS
31
9-89

Location

Loc Qty

Loc Code

ST295

778

M121350

28

M127813

750

ST510a

728

M126221

728

January-07-14 3:00:03 PM

Shop Packet Print

Page 3

Picklist Print

January-07-14 3:00:03 PM

Page 4

Work Order ID: 110667

Parent Item: D350-607-511

Parent Item Name: Quick Release Basket Mounting Spacepod™ & Squirrel Check Fits LH or RH

Start Date: 1/07/14

Required Date: 1/07/14

Start Qty: 2.00

Required Qty: 2.00

~~NASH149C0663R~~

Purchased No

140

Each

218.0000

8

Washer

~~M127813~~

~~NASH149F0663P~~

Location

Loc Qty

Loc Code

ST292

218

m125807

18

m126221

200

per
ECN
13-672
MF

DAS
31
9-89

M126083

14/2/8 ①

DAS
32
9-89

January-07-14 3:00:03 PM

Shop Packet Print

Page 4

5.0 PARTS LIST

QTY -541	QTY -543	QTY -545	QTY -547	QTY -511	QTY -501	PART NUMBER	DESCRIPTION
X						D350-607-541	HELI-UTILITY-BASKET
	X					D350-607-543	HELI-UTILITY-BASKET
		X				D350-607-545	HELI-UTILITY-BASKET
			X			D350-607-547	HELI-UTILITY-BASKET
1	1	1	1	X		D350-607-511	QUICK RELEASE BASKET MOUNTING KIT
					X	D350-607-501	CONVERSION KIT
1	1	1	1		1	D2690-6	LANYARD
				8	8	D3501-1	BUSHING
				2	2	D3910-3	X-TUBE LUG
				2	2	D3910-5	X-TUBE LUG
1	1	1	1		1	D3912-041	EYEBOLT RECEIVER ASSY
				8	8	D3984-030	RUBBER EXTRUSION, X-TUBE
1						D4030-041	LONG BASKET ASSY
	1					D4030-043	LONG BASKET ASSY, LIGHTWEIGHT
		1				D4032-041	SHORT BASKET ASSY
			1			D4032-043	SHORT BASKET ASSY, LIGHTWEIGHT
1					1	D4917-300	PLACARD, MAX LOAD
1						D4086-200	PLACARD, MAX LOAD
	1				1	D4917-315	PLACARD, MAX LOAD
	1					D4086-215	PLACARD, MAX LOAD
		1			1	D4917-320	PLACARD, MAX LOAD
		1				D4086-220	PLACARD, MAX LOAD
			1		1	D4917-332	PLACARD, MAX LOAD
			1			D4086-232	PLACARD, MAX LOAD
				1	1	D4148-041	FWD X-TUBE LUG ASSY
				1	1	D4149-041	AFT X-TUBE LUG ASSY
1	1	1	1		1	D4150-041	ATTACHMENT ARM ASSY
1	1	1	1		1	D4151-041	BASKET FWD HARDPOINT ASSY (LOWER)
1	1	1	1		1	D4151-043	BASKET FWD HARDPOINT ASSY (UPPER)
				2	2	D4775-041	STRUT ASSEMBLY
				2	2	D4776-3	SKIDTUBE CLEVIS
6	6	6	6		6	AN4-13A	BOLT
				20	22	AN4-14A	BOLT
				14	4	AN4-42A	BOLT
1	1	1	1		1	AN4C15	BOLT
1	1	1	1		1	AN310C4	CASTELLATED NUT
				2	2	AN6-13A	BOLT
1	1	1	1		1	MS17984-C413	QUICK RELEASE PIN
6	6	6	6	24	32	MS21042L4	NUT (OR MS21042-4)
				2	2	MS21042L6	NUT
1	1	1	1		1	MS24665-151	COTTER PIN
2	2	2	2		2	NAS1515H4L	WASHER
12	12	12	12	40	56	NAS1149F0432P	WASHER
3	3	3	3		3	NAS1149C0463R	WASHER
				4	4	NAS1149F0663P	WASHER

5.0 PARTS LIST

QTY -541	QTY -543	QTY -545	QTY -547	QTY -511	QTY -501	PART NUMBER	DESCRIPTION
X						D350-607-541	HELI-UTILITY-BASKET
	X					D350-607-543	HELI-UTILITY-BASKET
		X				D350-607-545	HELI-UTILITY-BASKET
			X			D350-607-547	HELI-UTILITY-BASKET
1	1	1	1	X		D350-607-511	QUICK RELEASE BASKET MOUNTING KIT
					X	D350-607-501	CONVERSION KIT
1	1	1	1		1	D2690-6	LANYARD
				8	8	D3501-1	BUSHING
				2	2	D3910-3	X-TUBE LUG
				2	2	D3910-5	X-TUBE LUG
1	1	1	1		1	D3912-041	EYEBOLT RECEIVER ASSY
				8	8	D3984-030	RUBBER EXTRUSION, X-TUBE
1						D4030-041	LONG BASKET ASSY
	1					D4030-043	LONG BASKET ASSY, LIGHTWEIGHT
		1				D4032-041	SHORT BASKET ASSY
			1			D4032-043	SHORT BASKET ASSY, LIGHTWEIGHT
1					1	D4917-300	PLACARD, MAX LOAD
1						D4086-200	PLACARD, MAX LOAD
	1				1	D4917-315	PLACARD, MAX LOAD
	1					D4086-215	PLACARD, MAX LOAD
		1			1	D4917-320	PLACARD, MAX LOAD
		1				D4086-220	PLACARD, MAX LOAD
			1		1	D4917-332	PLACARD, MAX LOAD
			1			D4086-232	PLACARD, MAX LOAD
				1	1	D4148-041	FWD X-TUBE LUG ASSY
				1	1	D4149-041	AFT X-TUBE LUG ASSY
1	1	1	1		1	D4150-041	ATTACHMENT ARM ASSY
1	1	1	1		1	D4151-041	BASKET FWD HARDPOINT ASSY (LOWER)
1	1	1	1		1	D4151-043	BASKET FWD HARDPOINT ASSY (UPPER)
				2	2	D4775-041	STRUT ASSEMBLY
				2	2	D4776-3	SKID TUBE CLEVIS
6	6	6	6		6	AN4-13A	BOLT
				20	22	AN4-14A	BOLT
				4	4	AN4-12A	BOLT
1	1	1	1		1	AN4C15	BOLT
1	1	1	1		1	AN310C4	CASTELLATED NUT
				2	2	AN6-13A	BOLT
1	1	1	1		1	MS17984-C413	QUICK RELEASE PIN
6	6	6		8	32	MS21042L4	NUT (OR MS21042-4)
				2	2	MS21042L6	NUT
1	1	1	1		1	MS24665-151	COTTER PIN
2	2	2	2		2	NAS1515H4L	WASHER
12	12	12	12	40	56	NAS1149F0432P	WASHER
3	3	3	3		3	NAS1149C0463R	WASHER
				4	4	NAS1149F0663P	WASHER

add DSI 9699.

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-607-3 Rev.D,
INSTALLATION INSTRUCTIONS D350-607-4 Rev. C AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-607 REV. 6
REF TCCA STC: SH94-14
REF FAA STC: SR00213NY
REF EASA STC: EASA.10016996
REF BRAZILIAN STC: 2007S03-03/-04/-05/-06

1.0 PURPOSE

This service instruction provides parts and instructions to facilitate installation of forward Basket Strut for customers that have purchased: D350-607-501 Conversion Kit @ CHG 004, D350-607-511 Quick Release Basket Mounting Kit @ CHG 004, D350-607-541 @ CHG 006, D350-607-543 @ CHG 007, D350-607-545 @ CHG 006, D350-607-547 @ CHG 007 Heli-Utility-Baskets as well as the D350-607-431 Strut Retrofit Kit and the D350-607-641 Long Cargo Tube @ CHG 001.

2.0 PARTS LIST:

Modify the quantities for D3910-5 and add D3910-7 as follows:

QTY -541	QTY -543	QTY -545	QTY -547	QTY -511	QTY -501	PART NUMBER	DESCRIPTION
X						D350-607-541	HELI-UTILITY-BASKET @ CHG 007 OR LATER
	X					D350-607-543	HELI-UTILITY-BASKET @ CHG 008 OR LATER
		X				D350-607-545	HELI-UTILITY-BASKET @ CHG 007 OR LATER
			X			D350-607-547	HELI-UTILITY-BASKET @ CHG 005 OR LATER
1	1	1	1	X		D350-607-511	QUICK RELEASE BASKET MOUNTING KIT @ CHG 005 OR LATER
					X	D350-607-501	CONVERSION KIT @ CHG 005 OR LATER
				1	1	D3910-5	X-TUBE LUG
				1	1	D3910-7	X-TUBE LUG

(ADD)

QTY -413	QTY -415	QTY -417	QTY -419	QTY -431	PART NUMBER	DESCRIPTION
X					D350-607-413	HEAVY DUTY LID KIT (LONG)
	X				D350-607-415	HEAVY DUTY LID KIT (SHORT)
		X			D350-607-417	LIGHTWEIGHT LID KIT (LONG)
			X		D350-607-419	LIGHTWEIGHT LID KIT (SHORT)
				X	D350-607-431	STRUT RETROFIT KIT @ CHG 005 OR LATER
				1	D3910-5	X-TUBE LUG
				1	D3910-7	X-TUBE LUG

(ADD)

QTY -641	QTY -611	QTY -511	QTY -431	PART NUMBER	DESCRIPTION
X				D350-607-641	QUICK RELEASE LONG CARGO TUBE
1	X			D350-607-611	LONG CARGO TUBE
1		X		D350-607-511	QUICK RELEASE BASKET MOUNTING KIT @ CHG 005 OR LATER
			X	D350-607-431	STRUT RETROFIT KIT @ CHG 005 OR LATER
		1	1	D3910-5	X-TUBE LUG
		1	1	D3910-7	X-TUBE LUG

(ADD)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 14.05.16
CERT. NO.: SH94-14
ISSUE NO.: 6

A	NEW ISSUE	AJS	14.05.16
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	N/A	DRAWING NO.	REV. A
MFG. APPR.		DSI 9699	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		LUG REPLACEMENT	NTS
DATE	14.05.16	COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

ENGINEERING CHANGE NOTICE **DART AEROSPACE LTD**

Date:	16.06.05	Job No.:	ENG5105JUNE	ADR Yes/No:	N	ADR Date:	N/A	ECN #:	14- 572
Product No.:	D350-607	Created By:		Approved By:					
Product Name:	HELI-UTILITY-BASKET	Checked By:							

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF	14/06/06
Production Manager / Coord.	Y	LL/MF	14/06/06
Purchasing Coord.	Y	CL	14/06/06
Production Engineering Coord.	Y	DD/JLM	14.06.06
Production Engineering Coord.	N	DL	
Customer Order Processing	N	RM/CC	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS	14/06/06
QC Coordinator	Y	ED	14/06/06
Customer Support	Y	SW/LM	14.06.06
Customer Technical Support	Y	MB/HS	14/06/06
Marketing Manager	Y	KO	14/06/06
Sales Support Manager	Y	NM	14.06.06

Reason for Change:
NCR14-3871: FWD D3910-5 CANT BE INSTALLED ONTO FWD CROSSTUBE. D3910-7 DESIGNED FOR BETTER FIT; DSI 9699 SUPPORTING THE INSTALL.

Documents Affected:
RELEASE DSI 9699 REV. A AND D3910 REV. E

to change 005

IF APPLICABLE: NCR: 14-3871

PAR:

CAR:

PAPERWORK UPDATE

☒

PARTS MUST COMPLY

☒

PREVIOUS PARTS SATISFACTORY

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	Y	LM	SEND COPY OF DSI 9699 AND SEE BELOW.	14.07.14
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings/Item ID's Under Review (URF)	Y	AS		ASS 14.06.10
5	Update Master Document List (MDL)	Y	AS	MDL-D350-607 REV. P	ASS 14.06.10
6	Update Document Record (DR)	N			
7	Update Product Compatability Matrix	N			
8	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
9					

#	Document Control Actions	Reqd	Resp	Notes	Complete
10	Move / Update Electronic Files / Design Journal	Y	KJ		14.06.10
11	Update Product Specification Files (Bluefiles)	Y	KJ		14.06.06
12	Update Approved/Preliminary Dwg PDF Files	Y	KJ		14.06.06
13	Update Product Development Summary (STC applications)	N			
14	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
15	Create/Update Parts / STC Database	Y	KJ		14.06.06
16	Update / Verify Airworthiness Release Certificate Database	Y	KJ		14.06.06
17	Create / Update Change Record Form / Item Card Database	Y	KJ	SEE BELOW.	14.06.06
18	Create / Update Packaging Process Plan (PPP)	Y	KJ		14.06.06
19	Red Decals required on Packaging Process Plan (PPP)?	Y	KJ		14.06.06
20	Update Controlled Supplier Documents (Opulse) Database	N			14.06.06
21	Update Grey Project Binder / Electronic Project Folder	Y	KJ		14.06.06
22	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		14.06.06
23	Manufacturing Licensing Agreement Update	N			
24					

Description / Action:

UPDATE BOM'S/ROUTINGS/ETC/ AS REQUIRED.

- D350-607-501/-511 NOW AT CHG 005
- D350-607-541/-545 NOW AT CHG 007
- D350-607-543/-547 NOW AT CHG 008
- D350-607-431/-641 NOW AT CHG 002

CS TO CONTACT CUSTOMERS WHO HAVE RECENTLY PURCHASED (OR WERE SENT) A D350-607-431/-501/-511/-541/-543/-545/-547/-641 KIT AND ADVISE THAT DART IS TO FOLLOW UP WITH THEM TO OFFER A NO CHARGE D3910-7 TO ENSURE PROPER INSTALLATION OF THE D350-607-431 KIT.

REFERENCE: CASE 8043. MANDATORY TO FIRST FOLLOW UP WITH THE FOLLOWING CUSTOMERS: BLACK SWAN HELICOPTERS, NORTHSTAR TREKKING, NORTHERN PIONEER HELICOPTERS, MUSTANG HELICOPTERS, STAR HELICOPTERS, AND CANADIAN HELICOPTERS LTD.

ECN Verified & Complete:

Date:

ENGINEERING CHANGE NOTICE **DART AEROSPACE LTD**

Date:	14.07.30	Job No.:	ENG5105	ADR Yes/No:	Y	ADR Date:	14.07.28	ECN #:	14- 595
Product No.:	D350-591/D350-607			Created By:	AJS	Approved By:	<i>[Signature]</i>		
Product Name:	STEP/BASKET			Checked By:	<i>[Signature]</i>				

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF	<i>[Signature]</i> 14/7/31
Production Manager / Coord.	Y	LL/MF	<i>[Signature]</i> 14-7-30
Purchasing Coord.	N	MG/CL	
Production Engineering Coord.	Y	DD/JLM	<i>[Signature]</i> 14.07.30
Production Engineering Coord.	N	DL	
Customer Order Processing	N	RM/CC	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS	<i>[Signature]</i> 14/07/30
QC Coordinator	Y	ED	<i>[Signature]</i> 14/07/30
Customer Support	Y	SW/LM	<i>[Signature]</i> 14.07.30
Customer Technical Support	Y	MB/HS	<i>[Signature]</i> 14.07.30
Marketing Manager	Y	KO	<i>[Signature]</i> 14.07.31
Sales Support Manager	Y	NM	<i>[Signature]</i> 14.07.30

Reason for Change: Customer feedback PAR-14-353

Documents Affected:
 DSI 9704 Rev. A
 D4776 Rev. D
 MDL D350-591 Rev. J
 MDL D350-607 Rev. Q

to change 006

IF APPLICABLE: NCR: PAR: 14-353 CAR: CIR: URF:

PAPERWORK UPDATE ☒ PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☒

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	Y	AJS		<i>[Signature]</i> 14.07.30 AJS
7	Update Document Record (DR)	N			
8	Update Product Compatibility Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		<i>[Signature]</i> 14.07.30
12	Update Product Specification Files (Bluefiles)	Y	KJ		<i>[Signature]</i> 14.07.30
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		<i>[Signature]</i> 14.07.30
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	N			
17	Update / Verify Airworthiness Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	Y	KJ		<i>[Signature]</i> 14.07.30
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		<i>[Signature]</i> 14.07.30
20	Red Decals required on Packaging Process Plan (PPP)?	N	Y		
21	Update Controlled Supplier Documents (Opulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		<i>[Signature]</i> 14.07.30
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		<i>[Signature]</i> 14.07.30
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:

For D350-591 there is no affect on D parts or kits paperwork update only

Update D350-607-431 to CHG 003
 Update D350-607-511 to CHG 006
 " D350-607-501 TO CHG 006
 Deplete existitling stock of D4776-1/3 @ Rev. C no changes to D4776-5

ECN Verified & Complete: *[Signature]* Date: 14/8/11

5.0 PARTS LIST

QTY -541	QTY -543	QTY -545	QTY -547	QTY -511	QTY -501	PART NUMBER	DESCRIPTION
X						D350-607-541	HELI-UTILITY-BASKET
	X					D350-607-543	HELI-UTILITY-BASKET
		X				D350-607-545	HELI-UTILITY-BASKET
			X			D350-607-547	HELI-UTILITY-BASKET
1	1	1	1	X		D350-607-511	QUICK RELEASE BASKET MOUNTING KIT
					X	D350-607-501	CONVERSION KIT
1	1	1	1		1	D2690-6	LANYARD
				(8)	8	D3501-1	BUSHING
				(2)	2	D3910-3	X-TUBE LUG
				(2)	2	D3910-5	X-TUBE LUG
1	1	1	1		1	D3912-041	EYEBOLT RECEIVER ASSY
				8	8	D3984-030	RUBBER EXTRUSION, X-TUBE
1						D4030-041	LONG BASKET ASSY
	1					D4030-043	LONG BASKET ASSY, LIGHTWEIGHT
		1				D4032-041	SHORT BASKET ASSY
			1			D4032-043	SHORT BASKET ASSY, LIGHTWEIGHT
1					1	D4917-300	PLACARD, MAX LOAD
1						D4086-200	PLACARD, MAX LOAD
	1				1	D4917-315	PLACARD, MAX LOAD
	1					D4086-215	PLACARD, MAX LOAD
		1			1	D4917-320	PLACARD, MAX LOAD
		1				D4086-220	PLACARD, MAX LOAD
			1		1	D4917-332	PLACARD, MAX LOAD
			1			D4086-232	PLACARD, MAX LOAD
				(1)	1	D4148-041	FWD X-TUBE LUG ASSY
				(1)	1	D4149-041	AFT X-TUBE LUG ASSY
1	1	1	1		1	D4150-041	ATTACHMENT ARM ASSY
1	1	1	1		1	D4151-041	BASKET FWD HARDPOINT ASSY (LOWER)
1	1	1	1		1	D4151-043	BASKET FWD HARDPOINT ASSY (UPPER)
				(2)	2	D4775-041	STRUT ASSEMBLY
				(2)	2	D4776-3	SKID TUBE CLEVIS
6	6	6	6		6	AN4-13A	BOLT
				20	22	AN4-14A	BOLT
				(4)	4	AN4-42A	BOLT
1	1	1	1		1	AN4C15	BOLT
1	1	1	1		1	AN310C4	CASTELLATED NUT
				(2)	2	AN6-13A	BOLT
1	1	1	1		1	MS17984-C413	QUICK RELEASE PIN
6	6	6	6	(24)	32	MS21042L4	NUT (OR MS21042-4)
				(2)	2	MS21042L6	NUT
1	1	1	1		1	MS24665-151	COTTER PIN
2	2	2	2		2	NAS1515H4L	WASHER
12	12	12	12	(40)	56	NAS1149F0432P	WASHER
3	3	3	3		3	NAS1149C0463R	WASHER
				(4)	4	NAS1149F0663P	WASHER